

PATENT  
Customer No. 22,852  
Attorney Docket No. 07812.0050-00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
                            )  
Christopher NUTBEEM et al.     ) Group Art Unit: Unassigned  
                            )  
Application No.: 10/511,203     ) Examiner: Unassigned  
                            )  
Filed: October 14, 2004         )  
                            )  
For: PAPER COATING PIGMENTS     ) Confirmation No.: 8623  
                            )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.

Copies of the U.S. patent publications are not enclosed.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached listing.

With respect to the non-English language documents, Applicants submit the following remarks:

1. **EP 0 713 548** - The Abstract of the Disclosure of this document can be found in the English Language Derwent Abstract submitted herewith.
2. **EP 1 021 621 B1** - The Abstract of the Disclosure of this document can be found in the English Language Derwent Abstract submitted herewith.
3. **JP 2001-005947** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
4. **JP 2002-113450** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
5. **JP 01-170900** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
6. **JP 02-077045** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
7. **JP 02-305380** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
8. **JP 03-240243** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
9. **JP 03-341097** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
10. **JP 04-189000** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.
11. **JP 04-242579** - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.

12. JP 04-315408 - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.

13. JP 05-092901 - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.

14. JP 10-289884 - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.

15. JP 10-113780 - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.

16. JP 2001-225501 - The Abstract of the Disclosure of this document can be found in the English Language Patent Abstract of Japan submitted herewith.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

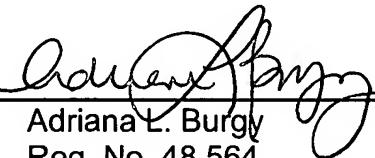
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: December 15, 2005

By:   
Adriana L. Burgly  
Reg. No. 48,564

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	1	of	4	<b>Complete if Known</b>
				<i>Application Number</i> 10/511,203
				<i>Filing Date</i> October 14, 2004
				<i>First Named Inventor</i> Christopher Nutbeam et al.
				<i>Art Unit</i> Unassigned
				<i>Examiner Name</i> Unassigned
				<i>Attorney Docket Number</i> 07812.0050-00

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,833,747	11/10/1998	Bleakley et al.	
		US-3,661,610	5/9/1972	Ferris	
		US-3,674,529	7/4/1972	G.L. Toms	
		US-4,298,652	11/3/1981	Suzuki et al.	
		US-4,714,603	12/22/1987	Vanderheiden	
		US-4,806,167	2/21/1989	Raythatha	
		US-4,820,554	4/11/1989	Jones et al.	
		US-5,082,887	1/21/1992	Brown et al.	
		US-5,100,472	3/31/1992	Fugitt et al.	
		US-5,120,365	6/9/1992	Kogler	
		US-5,151,124	9/29/1992	Rice	
		US-4,842,772	6/27/1989	Withiam	
		US-5,219,660	6/15/1993	Wason et al.	
		US-5,262,239	11/16/1993	Wason et al.	
		US-5,312,485	5/17/1994	Wason et al	
		US-5,352,287	10/4/1994	Wason et al.	
		US-5,236,989	8/17/1993	Brown et al.	
		US-5,344,487	9/6/1994	Whalen-Shaw	
		US-5,439,558	8/8/1995	Bergmann et al.	
		US-5,670,242	9/23/1997	Asano et al.	
		US - 5,853,870	12/29/1998	Uchimura et al.	
		US-5,861,209	1/19/1999	Haskins et al.	
		US-5,882,396	3/16/1999	Hiorns	
		US-5,985,424	11/16/1999	DeMatte et al.	
		US-6,004,467	12/21/1999	Bleakley	
		US-6,143,064	11/7/2000	Virtanen	
		US-6,284,034	9/4/2001	Hiorns et al.	
		US-6,312,511	11/6/2001	Bilimoria et al.	
		US-6,440,209	8/27/2002	Ravishankar et al.	
		US-6,482,581	11/19/2002	Govers et al.	
		US-6,511,536	1/28/2003	Noguchi et al.	
		US-6,602,484	8/5/2003	Virtanen	
		US-6,699,318	3/2/2004	Virtanen	
		US-6,811,600	11/2/2004	Mathur et al.	

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(Use as many sheets as necessary)

Sheet	2	of	4	Attorney Docket Number	07812.0050-00
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First Named Inventor	Christopher Nutbeam et al.
Art Unit	Unassigned
Examiner Name	Unassigned

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

	US-6,887,351	5/3/2005	Lunden et al.	
	US-RE38,301E	11/11/2003	Bleakley et al.	
	US-2001/0026869	10/4/2001	Wicher et al.	
	US-2005/0031805	2/10/2005	Fugitt et al.	

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		EP 0 528 078 A1	2/24/1993	ECC Int'l. Ltd.		
		EP 0 521 737 A1	1/7/1993	OY Partek AB		
		EP 0 355 521 B1	2/28/1990	J.M. Huber Corp.		
		EP 0 981 667 B1	3/1/2000	Minerals Technologies Inc.		
		EP 1 052 227 A2	11/15/2000	ECC Int'l. Ltd.		
		EP 0 587 692 B1	3/23/1994	MO Och Domsjo Aktiebolag		
		EP 0 713 548 B1	5/29/1996	Stora Publication Paper		Abstract
		EP 1 021 621 B1	7/26/2000	Ahstrom Paper Research and Competence Center		Abstract
		EP 1 114 735 A2	7/11/2001	Westvaco Corp.		
		EP 1 270 247 B1	1/2/2003	Mitsubishi Paper Mills, Ltd		
		JP 2001-005947	7/31/2002	Sumitomo Heavy Ind Ltd.		Abstract
		JP 2002-113450	11/28/2003	Mitsubishi Paper Mills Ltd.		Abstract
		JP 01-170900	2/21/1991	Kanzaki Paper Mfg. Co. Ltd.		Abstract
		JP 02-077045	12/9/1991	Toshiba Corp. Toshiba Intelligent Technol Ltd.		Abstract
		JP 02-305380	7/2/1992	Mitsubishi Paper Mills Ltd.		Abstract
		JP 03-240243	3/9/1993	Okutama Kogyo KK		Abstract
		JP 03-341097	7/9/1993	Mitsubishi Paper Mills Ltd.		Abstract
		JP 04-189000	1/18/1994	Okutama Kogyo KK		Abstract
		JP 04-242579	3/8/1994	New OJI Paper Co. Ltd.		Abstract
		JP 04-315408	6/7/1994	Japan Synthetic Rubber Co. Ltd.		Abstract
		JP 05-092901	11/1/1994	New OJI Paper Co. Ltd.		Abstract
		JP 10-289884	7/27/1999	Haindl Papier Gmbh		Abstract
		JP 10-113780	11/2/1999	OJI Paper Co. Ltd.		Abstract
		JP 2001-225501	2/13/2003	Okutama Kogyo KK		Abstract
		WO 98/56860	12/17/1998	ECC Int'l. Inc.		
		WO 00/66509	11/9/2000	Imerys Pigments, Inc.		

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(Use as many sheets as necessary)

Sheet

3

of

4

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<i>Art Unit</i>	Unassigned
<i>Examiner Name</i>	Unassigned
<i>Attorney Docket Number</i>	07812.0050-00

**FOREIGN PATENT DOCUMENTS**

	WO 00/66510	11/9/2000	Imerys Pigment, Inc.		
	WO 03/093577 A1	11/13/2003	Nutbeam et al.		
	WO 03/054300 A1	7/3/2003	Minerals Technologies Inc.		
	WO 2004/059079 A2	7/15/2004	Imerys Pigments, Inc.		
	WO 2005/033403 A1	4/14/2005	Imerys Pigments, Inc.		
	WO 2005/061386 A1	7/7/2005	Imerys Pigments, Inc.		
	WO 2004/114014 A1	12/29/2004	Meadwestvaco Corp.		
	WO 00/40424	7/13/2000	International Paper Co.		
	WO 99/51815	10/14/1999	ECC Int'l. Ltd.		
	WO 00/66509	11/9/2000	Imerys Pigments, Inc.		
	WO 00/66510	11/9/2000	Imerys Pigments, Inc.		
	GB 2 240 398 A	7/31/1991	ECC Int'l. Ltd.		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
	D.B. CRAWSHAW et al., "The Influence of Pigment Particle Shape on the Performance of Paper Coating," Coating Conference 1982, pgs. 143-164		
	R.W. HAGEMEYER, "The Effect of Particle Shape and Chemical Composition on the Packing Characteristics of Pigment Combinations," <i>Tappi</i> , Vol. 47, No. 2, February 1964, pgs. 74-77		
	R.W. HAGEMEYER, "The Effect of Pigment Combination and Solids Concentration on Particle Packing and Coated Paper Characteristics," <i>Tappi</i> , Vol. 43, No. 3, March 1960, pgs. 277-288		
	R. GRANT et al., "Coated-Paper Producers Look Forward to Brighter Times," <i>PPI</i> , May 1994, pgs. 18, 20, 25-27, 29, 31.		
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	Copy of English Abstract for EP 1 021 621 B1		
	Copy of English Abstract for JP 2001-005947		
	Copy of English Abstract for JP 2002 113450		
	Copy of English Abstract for JP 01-170900		
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	Copy of English Abstract for JP 10-113780		

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Sheet

4

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<i>Attorney Docket Number</i>	07812.0050-00

**NON PATENT LITERATURE DOCUMENTS**

Copy of English Abstract for JP 2001-225501

Examiner  
SignatureDate  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.